SONY

3-786-054-41 (3)

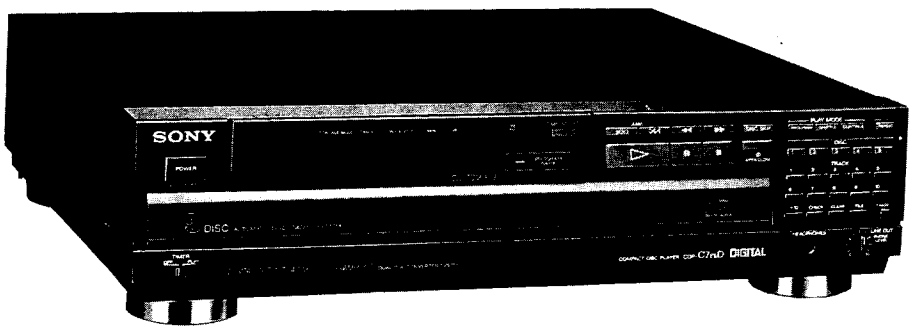
Compact Disc Player

COMPACT disc DIGITAL AUDIO

CDP-C7ESD

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.



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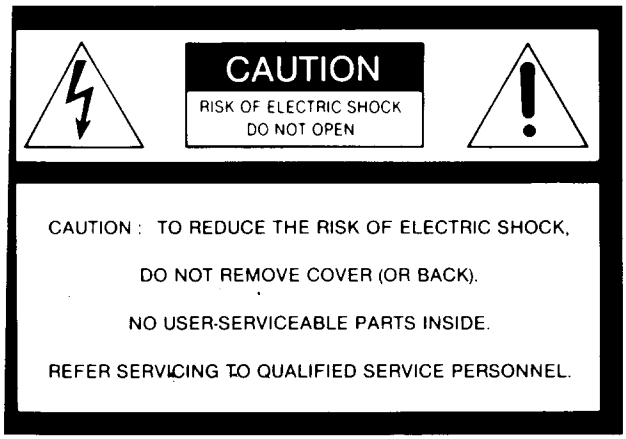
Owner's Record

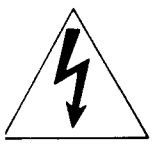
e model and serial numbers are located at the rear. Record
serial number in the space provided below. Refer to them
enever you call upon your Sony dealer regarding this
oduct.

odel No. CDP-C7ESD Serial No. _____

Warning

o prevent fire or shock hazard, do not
xpose the unit to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient the receiving antenna
Relocate the equipment with respect to the receiver
Move the equipment away from the receiver
Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

CAUTION

The use of optical instruments with this product will increase eye hazard.

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Features

The compact disc player equipped with 5-disc changer for a long continuous play of CDs.
You can select the desired disc at any time.

Various play modes
- Program play plays up to 32 selections on any disc in the desired order.
- Shuffle play plays selections in random order.
- Repeat play plays a single selection, a single disc, or all the discs repeatedly.

Custom file
- Disc memo keeps your comments on about a disc.
- Program bank function for storing a programmed playing order.

Precautions

On safety

- Operate the unit only on 120 V AC, 60 Hz.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it will not be used for a long time. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.
- As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

On operation

When the unit is not used, turn the power off, to conserve energy and to extend the useful life of your unit.

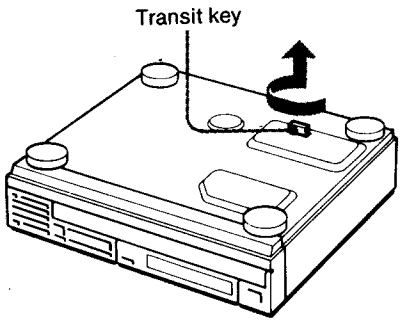
Important

Since the CD system boasts a wide dynamic range, the peaks of high level inputs are recorded with high fidelity, and the noise level is very low.
Do not turn up the volume while listening to a portion wit no audio signals or very low level inputs. If you do, the speakers may be damaged when a peak level portion is played.

For detailed safety precautions, see the leaflet "IMPORTA SAFEGUARDS".

If you have any questions or problems concerning your un please contact your nearest Sony dealer.

Note on the Transit Key



The white transit key on the bottom exterior of the unit protects the optical system against shock during transportation. Before operating the CD player, be sure to remove the key by following the instructions on the label, and store it in a safe place.

When transporting the unit:

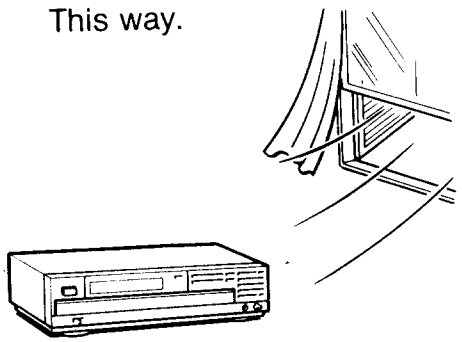
1. Turn off the power after the cursor under the disc number in the display window (see page 10) stops blinking.
2. Replace the key in its original hole and lock it in place.

Installation

Notes on Installation

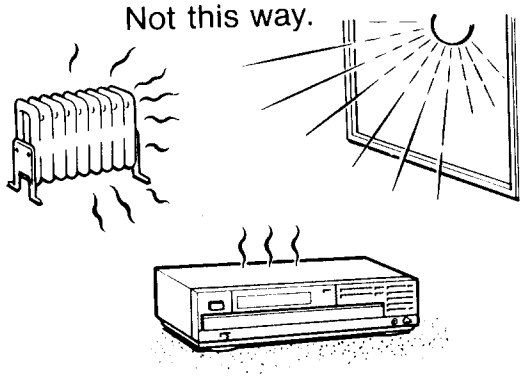
Place the unit in a location with adequate air circulation to prevent internal heat build-up in the unit.

This way.



Do not place the unit on a soft surface, such as a rug that would block the ventilation holes on the bottom.

Not this way.

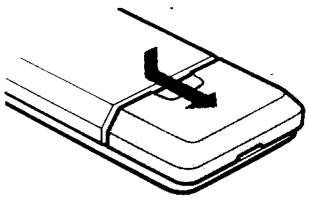


- Do not install the unit:
  — near heat sources such as radiators or air ducts.
  — in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Do not move the unit while the discs are inside, otherwise the discs may fall out of the tray and you will be unable to remove them.
- **On moisture condensation**
  If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the unit.
  Should this occur, the player will not operate. In this case, remove the disc and leave the player turned on for about an hour until the moisture evaporates.

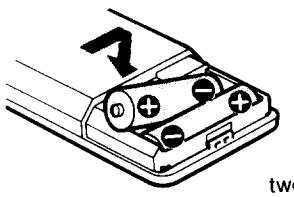
Installing Batteries

Install the batteries in the supplied remote commander for remote control operation.

1



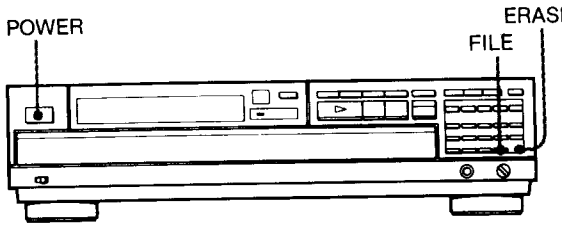
2



two size AA (R6) batteries

When You Use the Unit for the First Time

Turn on the power by pressing POWER while keeping ERASE and FILE pressed.



This will clear the internal memory if you have been instructed how to use the custom file function at the shop you purchased the CD player. Thus the player returns the same status as it was manufactured at factory.

On battey life
About half a year of normal operation can be expected when using the Sony SUM-3 (NS) batteries.
When the batteries are run down, the remote commander will not operate the unit. In this case, replace both batteries with new ones.

To avoid damage caused by battery leakage and corrosion
When the commander will not be used for a long time, remove the batteries.

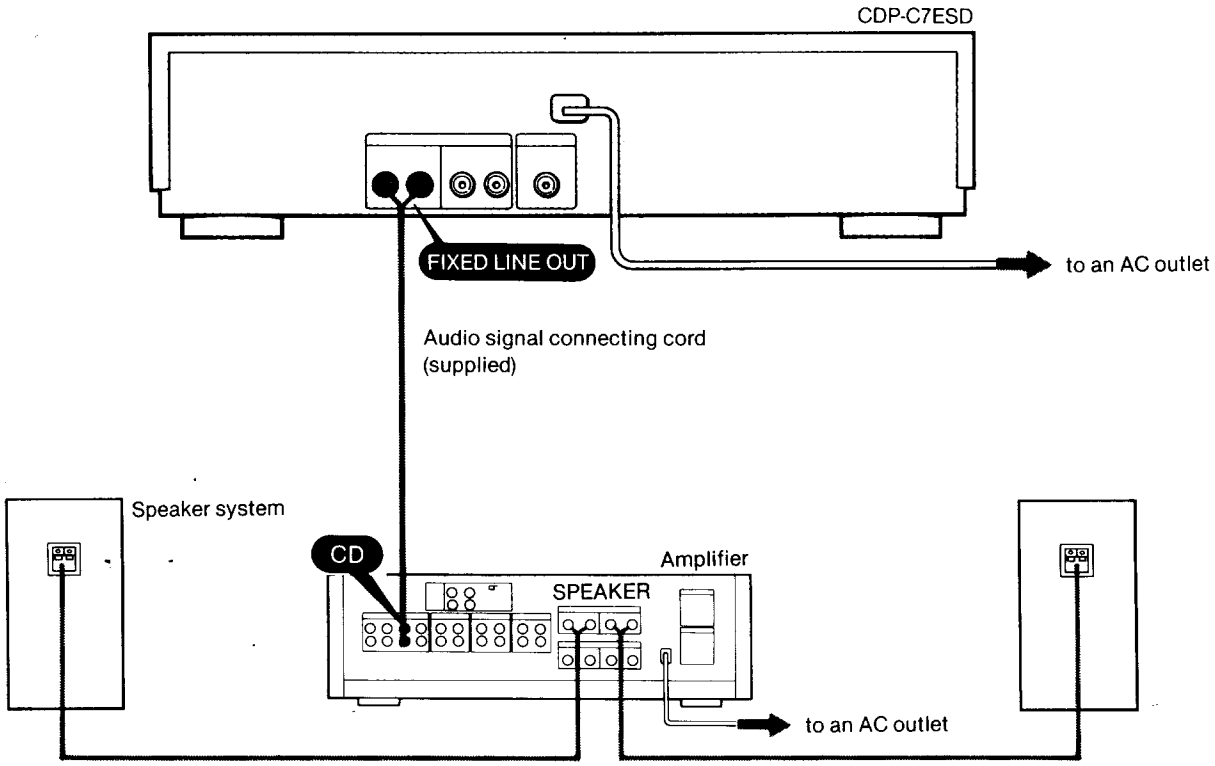
Do not throw away the carton and the packing material!
It will be an ideal container when transporting the unit or shipping it for servicing.

Connections

Notes on Connection

- Turn off the amplifier before making connections.
- Be sure to insert the plugs firmly into the jacks. Loose connections may cause hum and noise.
- Leave a little slack in the connecting cord to allow for inadvertent shock or vibration.
- Connect the red plug of the supplied connecting cord to the right-channel jack (R) of the amplifier and the white plug to the left-channel jack (L). Otherwise, the right and left channels will be reversed.

Connection Diagram

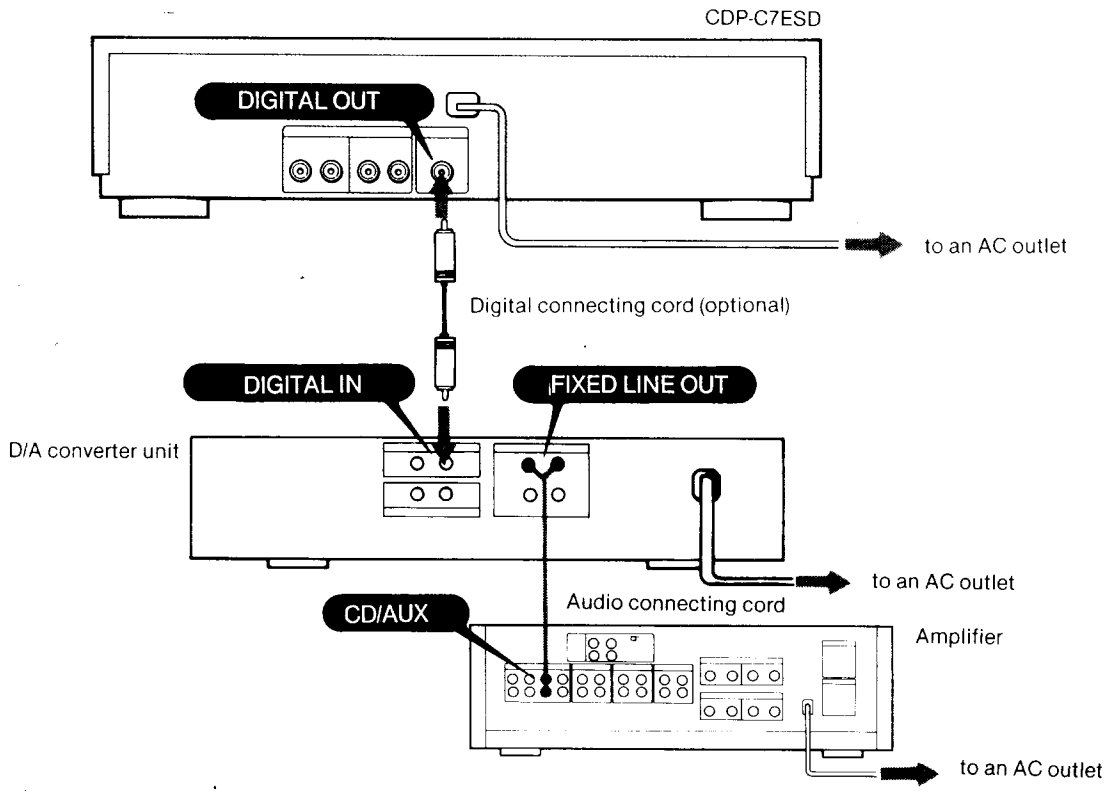


Notes on the LINE OUT jacks
These jacks can be connected to the CD or auxiliary input jacks of an amplifier.
FIXED: Normally use these jacks.
Output level is fixed.
VARIABLE: Output level can be varied with the LINE OUT/PHONE LEVEL control.

Note: The LINE OUT/PHONE LEVEL control adjusts the output level of the HEADPHONES jack and the VARIABLE LINE OUT jacks.
If the LINE OUT/PHONE LEVEL control is turned while recording through the VARIABLE LINE OUT jacks, the level of the recorded sound will be different from that set by the recording level controls of the tape deck.

Connecting D/A Converter Unit and Amplifier

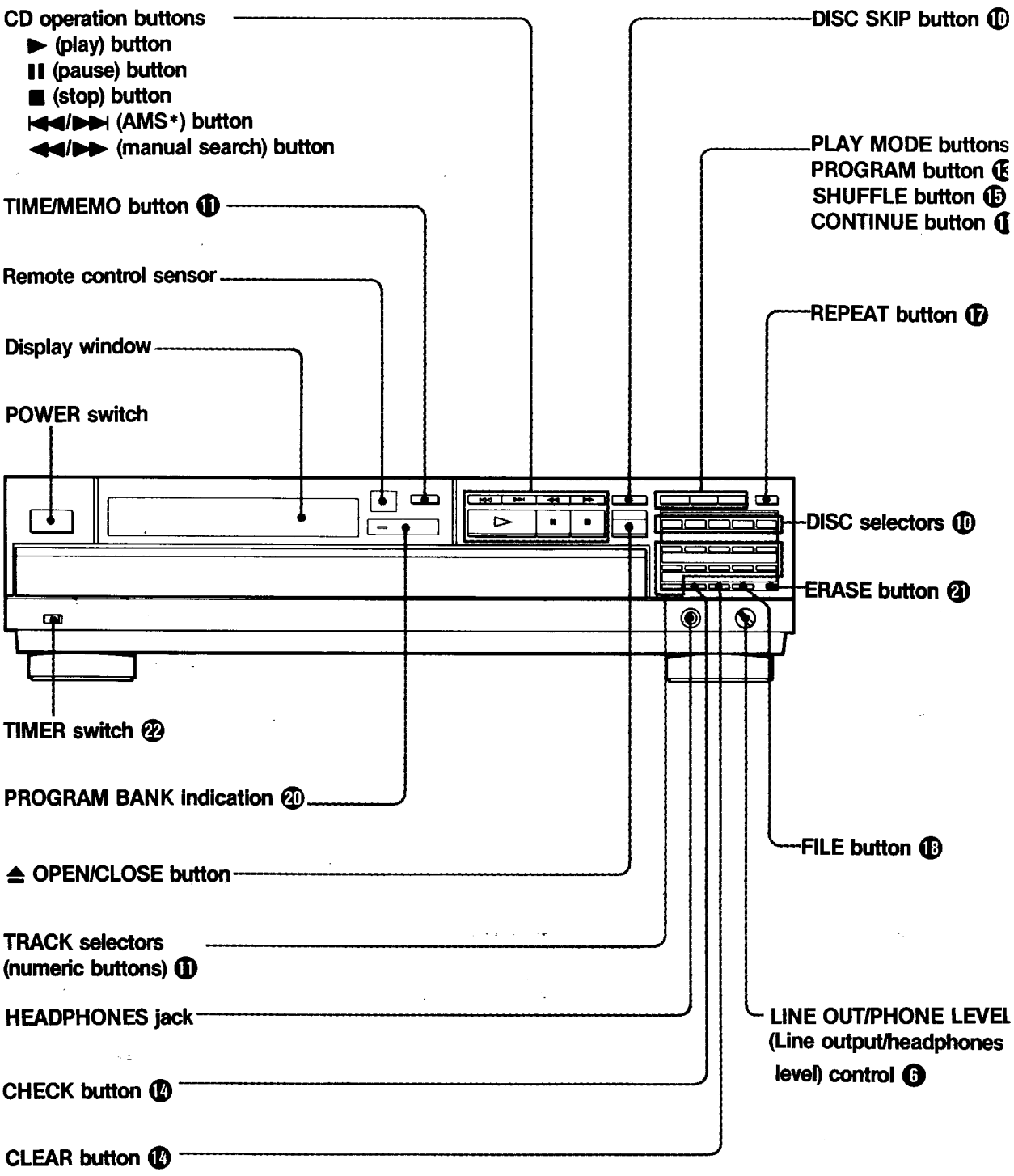
Sony DAS-702ES D/A converter unit or other equivalent D/A converter using a digital audio interface can be connected to the DIGITAL OUT jack.



Parts Identification

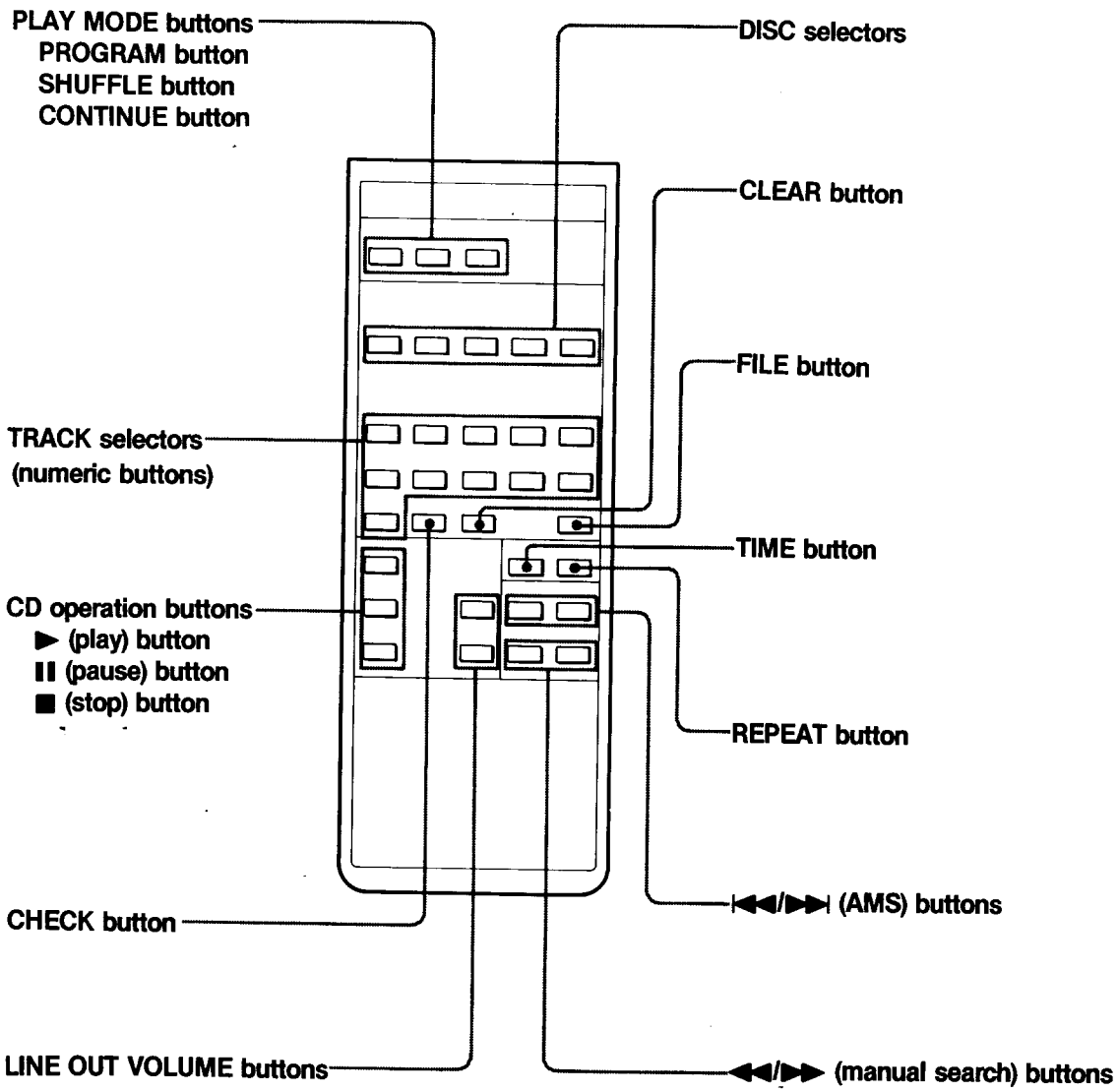
Refer to the pages indicated in ● for details.

Front Panel



*AMS is the abbreviation of Automatic Music Sensor.

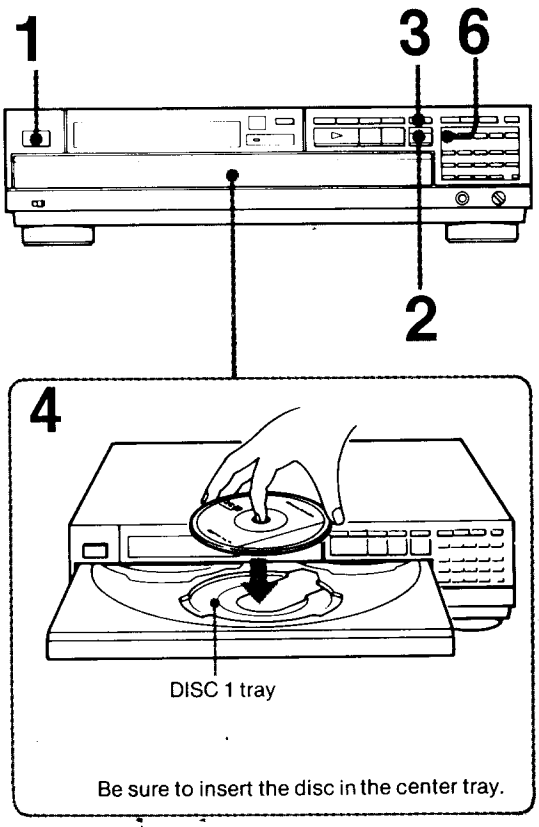
Remote Commander



Notes on the remote commander and remote control operation

- Keep the commander away from extremely hot or humid places.
- Avoid dropping any foreign objects into the commander casing, particularly when replacing the batteries.
- To avoid a malfunction, do not simultaneously depress two or more buttons.
- Avoid exposure of the remote control sensor to direct sunlight or lighting apparatus. Such exposure can cause a malfunction.

Disc Playing



1 **Depress POWER.**

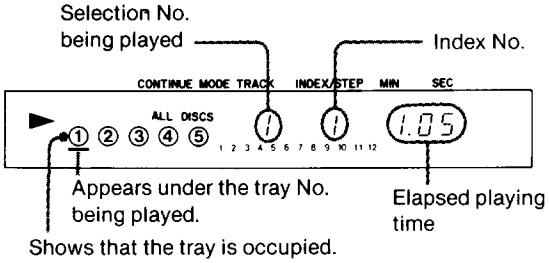
2 **Press ⏏.**
The compartment will open.

3 **Press DISC SKIP** so that the Disc 1 tray rotates into the front position.

4 **Put the disc in the DISC 1 tray** with the label side up.

5 To play more than one disc, **repeat steps 3 and 4** to put additional discs in the order you want.

6 **Press DISC 1.**
The compartment will close, and play will begin from the first selection on the disc in the DISC 1 tray.



Stopping play

To pause during play	Press ❚❚. To restart play, press ❚❚ again.
To stop play	Press ■.
To stop play and open the compartment	Press ⏏. To close the compartment, press ⏏ or the compartment itself.

Place an empty tray in the front position, and put the disc in it
If you insert the disc into a tray other than the one in the front, the unit may not be able to find the disc. Be sure to use DISC SKIP to rotate to the next empty tray.

Note on 3 inch CD
You can play an 3 inch CD on the inside circle of the tray. Do not put a normal CD (size of 5 inch) over it.

Playing a Single Disc

1 Press ⏏.

2 Put the disc in the tray with the label side up.

3 Press ⏏.

4 Press CONTINUE until "1 DISC" is displayed.

5 Press desired DISC selector.
Play will begin from the first selection of the selected disc.

Playing a Single Selection in the Disc

1 Press ⏏.

2 Put the disc in the tray with the label side up.

3 Press ⏏.

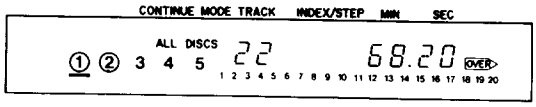
4 Press CONTINUE unitl "1" is displayed.

5 Press the desired DISC selector.

6 Select the desired selection number with TRACK selectors.
Only the selected selection will be played.

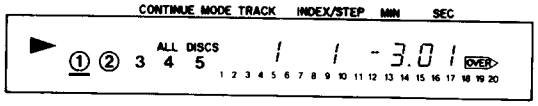
Displaying Informations on the Time

To display the total number of selections
If you press ⏏ or the compartment itself to close the compartment, the total number of selections and the total playing time of the last disc you put are displayed for a few seconds.



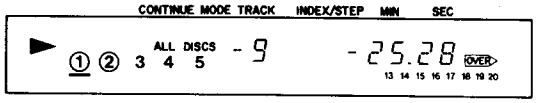
When a disc containing more than 20 selections is inserted, OVER (meaning: "over 20 selections") appears.

To display the time remaining in a selection
Press TIME/MEMO once during play or pause.



To return to the normal display, press TIME/MEMO twice. But when you wrote a disc memo to the disc (see page 18), press TIME/MEMO three times.

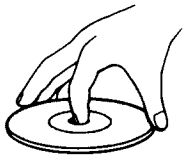
To display the remaining time of the disc and number of the selections in the disc
Press TIME/MEMO twice.



To return to the normal display, press TIME/MEMO once. But when you wrote a disc memo to the disc, press TIME/MEMO twice.

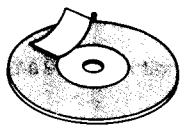
Notes on discs
Handle the disc by its edge. To keep the disc clean, do not touch the surface.

This way



Do not stick paper or tape.

Not this way



Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight where there can be a considerable rise in the temperature.

What is this indication?

— — — — While a selection number 21 or higher is selected, this indication appears on the display window instead of the number if you press TIME/MEMO.

Selecting a Desired Disc

By using the DISC selectors or the DISC SKIP button during play, you can locate the beginning of any disc.

To select a particular disc	**Press the corresponding DISC selector.**
To move to the disc tray next to the current one	**Press DISC SKIP.**

Locating a Particular Selection

Locating a selection in sequence (Automatic Music Sensor)

You can locate the beginning of a selection on the disc being played.

To locate the beginning of the selection being played	**Press ⏮ once.**
To locate the beginning of the next selection.	**Press ⏭ once.**

Continue to press until the selection you wanted has been located.

Locating a selection directly

Press the TRACK selectors (1 to 10) to enter the desired track number.

Locating a Particular Point in a Selection

Locating a point in sequence (Manual Search)

You can locate a particular point in a selection during play by monitoring the high-speed sound.

To go back at high speed	**Keep ◀◀ pressed.**
To go ahead at high speed	**Keep ▶▶ pressed.**

Release the button when you reach the point in the selection you want.

To choose directly a selection whose number is greater than 10

Use [+10] and [1] to [10] buttons.

Ex. To play from track No. 32
1 Press [+10] three times.
2 Press [2].

Ex. To play from track No. 30
1 Press [+10] twice.
2 Press [10].

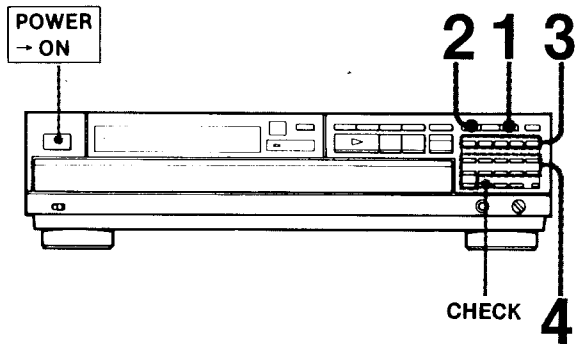
To locate at high speed

Press ◀◀ or ▶▶ in the pause mode. Search speed will increase three times, but there will be no sound. Find the desired point by watching the numbers in the display.

Playing in a Specific Order —Program Play

Programming Selections

You can play up to 32 selections in the desired order.



1 **Press CONTINUE** until the "ALL DISCS" indication appears.

2 **Press PROGRAM.**

3 **Press the DISC selector** which corresponds to the disc you want.

4 **Enter the desired selection number with the TRACK selectors.**

5 To program additional selections on the same disc, **repeat step 4.**
To program additional selections on another disc, **repeat steps 3 and 4.**

Playing the Programmed Selections

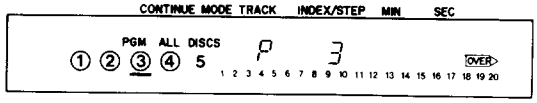
Press ▶.

To return to normal play mode

Press CONTINUE.

To insert a pause into your program

While programming, press ❚❚ at a point between two selections. When the program is played and reaches this point, the disc will stop and stand by until you press ❚❚ again.
This function allows you to change the tape when making a recording. A pause cannot be programmed first in the program line up.



P (pause) has been programmed. It is 3rd in the program line up.

If you program selections on a particular disc

Either the "ALL DISCS" or "1 DISC" indication can be displayed in step 1.

The maximum number of selections which can be played in the desired order

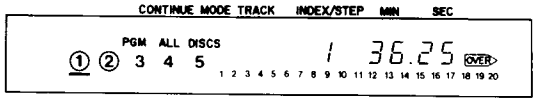
When the "ALL DISCS" is displayed: up to 32 selections
When the "1 DISC" is displayed: up to 20 selections

Selections number which can be programmed

When the "ALL DISCS" is displayed: to the 30th selection on each disc
When the "1 DISC" is displayed: to the 99th selection

To display the total playing time of the program

Press TIME/MEMO before starting play.



(ex. 1 hour, 36 minutes, and 25 seconds.)

To display the time remaining in a selection

Press TIME/MEMO once while the unit is in the play or pause mode.
To return to normal display, press TIME/MEMO until normal display appears.

To program while observing the disc labels

You can program the selections with the disc compartment open.

Playing in a Specific Order—Program Play

To program a whole disc under a single program number

A disc has been selected using the DISC selectors. The TRACK indicator will show ALL, which means that all the selections on the disc have been programmed under a single program number.

Adding selections to a program during program play

To add a selection, press the TRACK selectors which correspond to the selection number you want to add while the unit is in the play or pause mode.
To add a whole disc, press the DISC selector which corresponds to the disc number you want.

The program will be cleared in the following situations

- ■ is pressed during stop.
- ⏏ is pressed.
- Power is turned off.

Checking the Programmed Selections

Press CHECK.

Each time you press CHECK, a selection will be displaye for a few seconds, in the order they have been programm

Clearing the Programmed Selections

Clearing the whole program

Press ■ once during stop, or twice during play.
All the selections will be cleared.

Clearing the last selection in a program

Press CLEAR during stop or play.
The last selection will be cleared each time CLEAR is pressed.

Clearing a specific selection

1 Press CHECK repeatedly until the selection to be clear is displayed.

2 Press CLEAR while the selection number is displayed. selection will be cleared from the program.

Skipping to the next selection programmed

Press ▶▶| during play.

Going back to the beginning of the selection being played

Press |◀◀ during play.

To stop program play

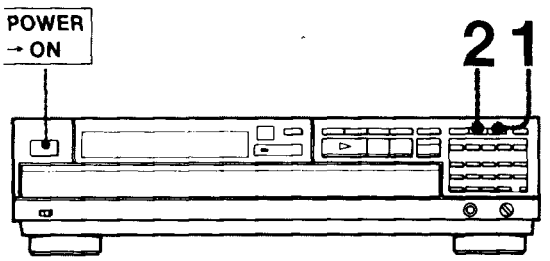
Press ■.
To resume play, press ▶. Play begins from the beginning of the program.

What is this indication?

End — This indication will appear when the last selection is reached while checking the selections you have programmed.

aying in Random Order—Shuffle Play

ying All the Selections in the Tray in a Random Order



1 **Press CONTINUE** until "ALL DISCS" is displayed.

2 **Press SHUFFLE.**

3 **Press ►.**
Shuffle play will begin.
When two or more discs are in the compartment:
All the discs and selections will be played in random order. After one selection is played, the next selection will be from another disc.
When a single disc is in the compartment:
After all the selections have been played in random order, play will stop.

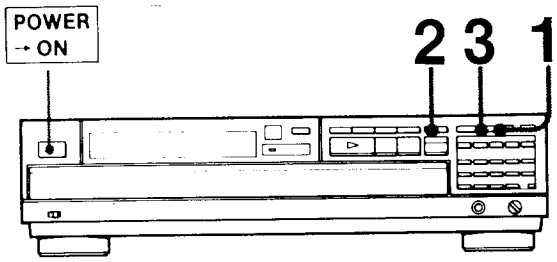
To return to normal play
Press CONTINUE.

---

at is this indication?
This indication appears while the player is "shuffling" the selections.

Playing in Random Order—shuffle play

Playing All the Selections in a Disc in a Random Order



1 **Press CONTINUE** until "1 DISC" is displayed.

2 **Select the desired disc with DISC SKIP.**

3 **Press SHUFFLE.**

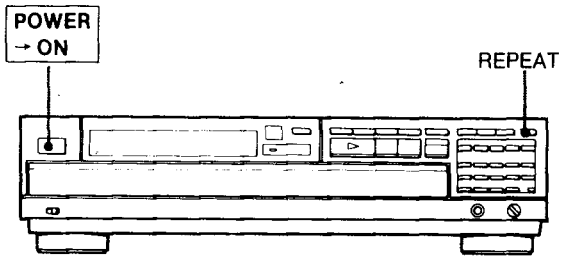
4 **Press ▶.**

To skip the selection
To skip to the next selection, press the ▶▶| button.
To return to the beginning of the selection being played, press the |◀◀ button.
During shuffle play, you cannot return to the previous selections.

Changing from program play directly to shuffle play
Press SHUFFLE during program play. Shuffle play will begin.

epeating Selections—Repeat Play

You can repeat play of all the discs in the tray, a whole disc or a single selection.
The program or shuffle play can be repeated.



Press REPEAT during play or pause.
Repeat play begins according to the current play mode.

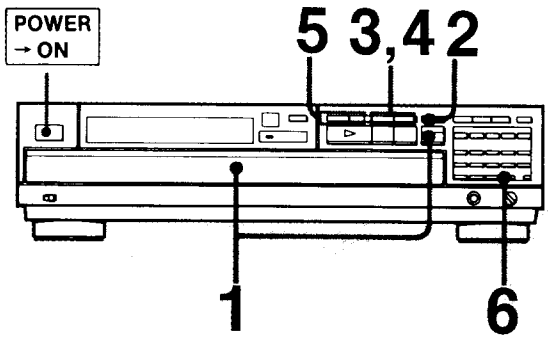
Play mode		Selections to be repeated
ALL DISCS		All the selections of all discs
1 DISC		All the selections on a disc
1		The selection being played
PROGRAM	ALL DISCS	All the programmed selections
	1 DISC	All the programmed selections on a disc
SHUFFLE	ALL DISCS	All the selections of all discs
	1 DISC	All the selections on a disc

During shuffle play with "ALL DISCS" is displayed
If you don't press REPEAT, the repeat play plays.

Writing a Comment on a Disc—Disc Memo

Writing a Disc Memo

Using the disc memo function, you can write a comment of up to 10 letters about a disc.
The memo appears in the window every time you put the disc in the player.
You can write one disc memo to a disc.

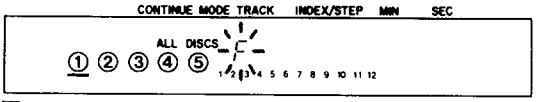


1 **Put the discs in the tray and press ⏏ to close it.**

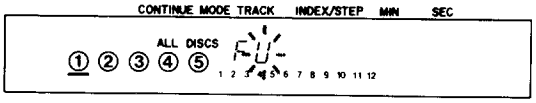
2 **Select the disc you want, using DISC SKIP.**

3 **Press ◀◀ or ▶▶.**
A blinking cursor (indicating where a letter will be written) appears.

4 **Press ◀◀ or ▶▶** until the desired letter appears.
Example: If ▶▶ is pressed 6 times



5 **Press ▶▶| to move the cursor to the next position,** and select the desired letter.



Repeat steps 4 and 5 to complete the memo.

6 **Press FILE.**
"FILE" appears in the window. After a few seconds, the memo you have written will be displayed.

To write a comment another disc, repeat steps 2 to 6.

Each time the disc is inserted into the player, the memo will be displayed.

What is this indication?

FULL

This indicates that there is no room in the memory to store a new file.
This indication appears when FILE is pressed while no custom file can be memorized for the disc currently put in the player. To make a custom file for the disc, clear the custom file of another disc.

Usable letters and symbols

For the disc memo, 46 letters and symbols and a space can b used. When the ◀◀/▶▶ button is pressed for the first time, t space appears. Each time ▶▶ is pressed, letters and symbol appear in the following order.

(space) A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
⋈ ♯ ✳ Ψ + / ı > < 9 8 7 6 5 4 3 2 1 0 –

Use ◀◀ to call up a previous character.

Clearing the Disc Memo

1 Put the disc whose memo you want to clear in the player.

2 Press ◀◀ or ▶▶ on the player.
The ◀◀/▶▶ buttons on the remote commander cannot be used.

3 Press CLEAR.

4 Press FILE.
"FILE CLR" is displayed in the window.

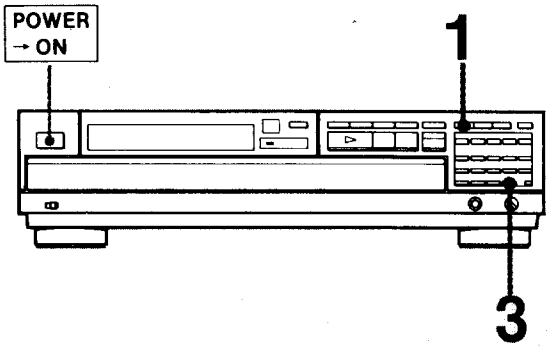
To rewrite letters and symbols
Before pressing FILE, move the cursor under the letter/symbol to be changed, and then select the desired letter/symbol using ◀◀/▶▶.

Where is the disc memo stored?
The disc memo stored in the player's memory.
Therefore, if the disc is put in the another player, no memo will be displayed.

Keeping the Program in Memory—Program Bank

Memorizing a Program

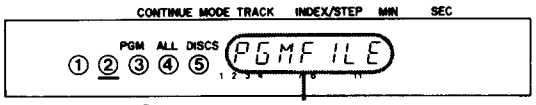
After programming selections, you can keep the program memorized, so that the disc is played always in the fixed order. The memorized program is called "program bank".



1 **Press PROGRAM twice** so that "PGM" and "PROGRAM BANK" indication light up.

2 **Program the selections** as you want. (see page 13.)

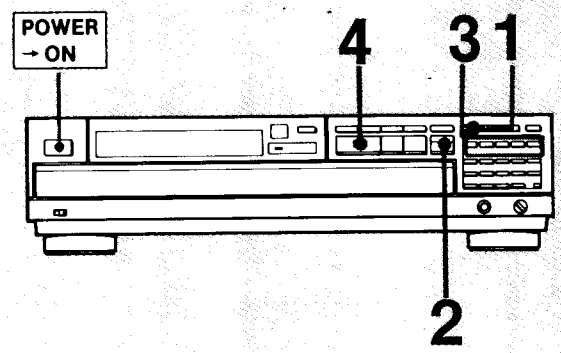
3 **Press FILE.**



Disappears approx. one second later.

The program is stored into the memory.
Only one program bank can be made for a disc.

Playing the Disc Using the Program Bank



1 **Press PROGRAM twice.**
PROGRAM BANK indication light up.

2 **Press ⏏ and put the disc** in the tray.

3 **Press the DISC selector** which corresponds to the disc you want.

4 **Press ▶.**

What is this indication?

FULL

This indicates that there is no room in the memory to store a new file.
This indication appears when FILE is pressed while no custom file can be memorized for the disc currently put in the player. To make a custom file for the disc, clear the custom file of another disc.

Clearing the Program Bank

1 Put the disc whose program bank is to be cleared in the player.

2 **Press DISC selector** which corresponds to the disc you want to clear the program.

3 **Press** ■ to clear the program.

4 **Press FILE.**
"PGM CLR" is displayed, and the program bank is cleared.

On "Custom Files"

The CD player incorporates a memory in which you can store two types of informations called "custom files".

How many discs can be assigned custom files?
You can give custom files to up to 225 discs.

Memory backup for the custom files
Custom files, once memorized, are retained in the compact disc player's memory for approximately 1 month without AC power supply.

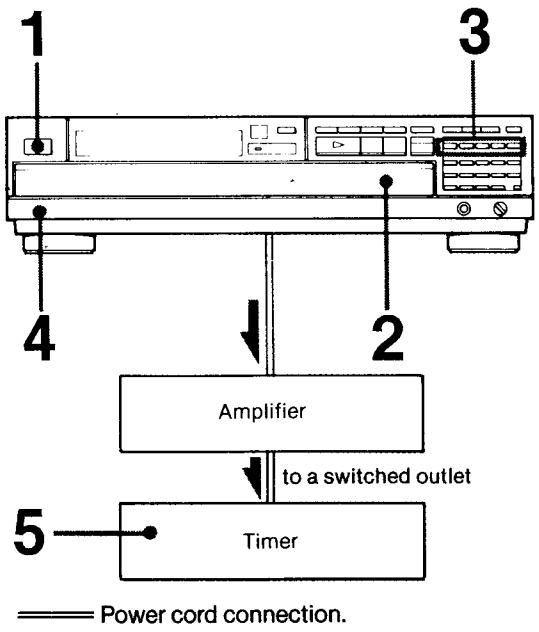
Where is the program bank memorized?
The program bank is memorized in the player's memory. Therefore, if a disc for which you made a program bank is used with another player, play using the program bank is not possible.

To clear all custom files of a disc at once
Put the disc in the player and press ERASE. The disc memo and program bank are all cleared.

To clear custom files of all discs at once
Press POWER to turn on the player while keeping ERASE and FILE pressed.

Timer Activated Play

By connecting a commercially available timer, disc play can be started at any desired time.



1 **Press POWER.**

2 **Set the discs in the disc compartment and close the compartment.**

3 **Select the disc to be played first with DISC selectors.**

4 **Set TIMER to ON.**

5 **Set the timer for desired time.**
Play will begin automatically at the preset time.

To start PROGRAM play at the preset time
At the step 3 above, preset as follows
1 **Memorize the program**
(PROGRAM BANK: see page 20).
2 **Press PROGRAM,** so that the PGM indication lights up.
3 Repeat the steps 4 and 5 above.

To start SHUFFLE play at the preset time
At the step 3 above, press SHUFFLE and select the play mode with CONTINUE.

When the timer play ends
Be sure to set TIMER to OFF.

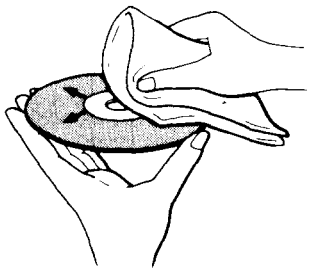
Maintenance

Cleaning the cabinet

Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

Cleaning discs

Before playing, clean the disc with the cleaning cloth. Wipe the disc from the center out.



Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for analog discs.

After playing, store the disc in its case.

Specifications

COMPACT DISC PLAYER

System — Compact disc digital audio system

Laser — Semiconductor laser (λ = 780 nm)
Emission duration: continuous

Laser output — Max. 0.4 mW
This output is the value measured at a distance of about 1.6 mm from the objective lens surface on the Optical Pick-up Block.

Frequency response
2 Hz – 20 kHz (±0.3 dB)

Signal to noise ratio
More than 100 dB

Dynamic range — More than 90 dB

Harmonic distortion
Less than 0.05% (1 kHz)

Channel separation
More than 95 dB (1 kHz)

Wow and flutter — Below measurable limit

Outputs

	Max. output level	Load impedance	Output impedance
LINE OUT (FIXED)	2 V (50 kilohms)	More than 10 kilohms	2 kilohm
LINE OUT (VARIABLE)	2 V (50 kilohms)	More than 50 kilohms	—
HEAD-PHONES	28 mW Variable, max	32 ohms	—
DIGITAL OUT	0.5 V p-p	75 ohms	75 ohms

General

Power requirements
120 V AC, 60 Hz

Power consumption
12 W

Dimensions — Approx. 430 × 110 × 385 mm (w/h/d)
(17 × 4 3/8 × 15 1/4 inches)
not including projecting parts and controls

Weight — Approx. 5.7 kg (12 lbs 10 oz), net

REMOTE COMMANDER

Remote control system
Infrared control

Power requirements
3 V DC with two size AA (R6) batteries

Dimensions — Approx. 67 × 18 × 175 mm (w/h/d)
(2 7/8 × 3/4 × 7 inches)

Weight — Approx. 130 g (5 oz)
including batteries

SUPPLIED ACCESSORIES

Remote commander (1)
Audio signal connecting cord (phono × 2←→phono × 2) (1)
Sony batteries SUM-3 (NS) (2)

Design and specifications subject to change without notice.

Troubleshooting Guide

The following checks will assist in the correction of most problems which you may encounter with your unit. Should any problem persist after you have made these checks, consult your nearest Sony service facility. Before going through the check list below, first refer back to the connection and operating procedures.

Trouble	Causes	Remedy
No audio from one or both channels	Incorrect operation of the amplifier	Operate correctly.
	Loose connection	Connect the cords firmly.
Play does not begin.	No disc in the disc compartment	Put disc(s) in the compartment.
	The player is in the pause mode.	Press ❚❚ to release pause.
	Moisture condensation	Leave the player turned on for about an hour.
	The disc is set upside down.	Set the disc with the label side up.
	The disc is tilted.	Set the disc correctly.
	The disc is extremely dirty.	Clean the disc.
Discs cannot be played continuously.	Play did not start from the disc in the DISC 1 tray.	Press DISC 1 to start play.
Remote commander does not operate the unit.	The batteries are exhausted.	Replace both batteries.
	The remote commander is not pointed at the remote control sensor.	Point the remote commander to the sensor.
	There is an obstacle between the remote commander and the unit.	Remove the obstacle.
	The remote commander is too far from the unit.	Move closer.
Any operation is not possible.	The internal control program may not run.	Turn OFF the power and turn it ON again.

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